

Forsyth Library's

Physics & Astronomy Research Guide

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Last updated 11-17-08

Forsyth Library

Resources in Physics

1. [PROLA](#) - 1893-

The American Physical Society's *Physical Review Online*. Library also has some of the print journals.

"Databases" on the
Library Website

2. [American Chemical Society Archives Online](#) - 1879 -

Journals of the American Chemical Society online. Library also has some of the print journals

"Electronic Journals"
on the Library Website

3. [Expanded Academic](#) (*Multi-Disciplinary*)

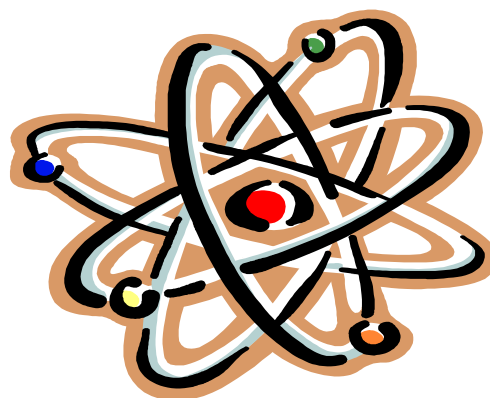
Index coverage and full-text articles are available from the broad subjects provided by this database.

"Databases" on the
Library Website

4. [General Science - Wilson Web](#) (*Multi-Disciplinary*) - 1984-

Easy-to-use and designed specifically for students and non-specialists.

"Databases" on the
Library Website



5. [Wilson Omnifile - Wilson Web](#) (*Multi-Disciplinary*) - 1982-

This database cites articles, as well as provides some full-text of selected periodicals. Coverage includes some of the best-known scholarly journals and many lesser-known but important specialized magazines. Full-text coverage begins in January 1982.

"Databases" on the
Library Website

6. [Web of Knowledge](#)

An integrated, versatile research platform, delivers easy access to high quality, diversified scholarly information in the sciences, social sciences, and arts and humanities, as well as search and analysis tools that enhance this content.

"Databases" on the
Library Website

Major Journals

- | | |
|--|--|
| 1. <i>American Journal of Physics</i>
QC 1 .A47 | 5. <i>Review of Modern Physics</i>
QC 1 .R415 |
| 2. <i>Contemporary Physics</i>
QC 1 .C76 | 6. <i>Physics Education</i>
QC 30 .P46 |
| 3. <i>European Journal of Physics</i>
QC 1 .E84 | 7. <i>Physics Teacher</i>
QC 30 .P48 |
| 4. <i>Physics World</i>
QC 1 .P66 | |

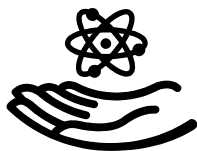
Electronic Journals

[Click here to browse full-text physics & astronomy journals in the library's databases.](#)

On-Campus Only

[Click here to browse full-text physics & astronomy journals from the Directory of Open Access Journals.](#)

Available to All Users.



Electronic Journals

"Electronic Journals on the library's website"

[American Chemical Society Archives](#)
[European Journal of Physics](#)
[Institute of Physics archives](#)
[Journal of Optics A & B](#)
[Journal of Physics A, B, C, D, G](#)
[Journal of undergraduate Research in Physics](#)
[New Journal of Physics](#)
[Physical Review A and D](#)
[Physical Review Letters](#)
[Physics Education](#)

[Physics in Medicine & Biology](#)
[Plasma Physics & Controlled Fusion](#)
[Plasma Sources Science & Technology](#)
[PROLA: American Archives Physical Society's Physical Review online archives](#)
[Review of Modern Physics](#)
[Semiconductor Science & Technology](#)
[Superconductor Science & Technology](#)
[Waves in Random Media](#)

Finding Full-Text Articles Flowchart

Search for your topic in a database (see p. 2), and choose an article. Is there a link to the full-text located underneath the article title/citation?

NO

YES

Click on the link to see the entire article.

- HTML = text only
- PDF = looks like a photo of the printed page, including graphics. Photos might not appear due to copyright restrictions.

Is there:

- a link for LinkSource
- a link that says "Get Article"
- a circular blue & green icon



NO

YES

Click on the link or icon. **If you are off campus, call 785-628-5283 or e-mail refserv@fhsu.edu to get the LinkSource username and password.**

This will activate a search of other databases for the article. **If it is found, it will appear in a new window.**
If not, you'll see:

If the article was not found

Are you on-campus, or are you a Hays-area student?

NO

YES

You can request the article through:

[Distance Services](#)

Be sure to allow adequate time for your article to arrive.

Search the [Online Catalog](#) for a print or microform copy of the article.

Type in the name of the JOURNAL in which the article appears, and click "journal title keyword". If it is found, click on the title, and look at the dates available to see if the year you need is there.

Note the **call number** and find the journal in the Periodicals section (1994 or later), the basement (pre-1994) or on microfilm (MF call #), in the filing cabinets in the Periodicals section. **Library staff are glad to help you with the MF readers and printers, if needed.**

If we don't own the article in print or microfilm, you can request the article through:

[Interlibrary Loan](#)
Click on Services on the Library's homepage.

Be sure to allow adequate time for your article to arrive.

Finding Books

If you would like to browse for books,
look in these areas in the General Collection on the 2nd floor:

Astronomy.....	QB
General Physics.....	QC 1-119
Experimental Mechanics.....	QC 122-168
Matter.....	QC171-197
Acoustics.....	QC 220-245
Thermodynamics.....	QC 251-338
Optics.....	QC 350-495
Electricity & Magnetism.....	QC 501-764
Atomic, Nuclear, Particle.....	QC 770-798
Terrestrial & Cosmic.....	QC 800-849
Meteorology.....	QC 851-999

How to use the [Online Catalog](#) to search for books

To access the catalog, click on the link above, or go to the library's homepage at www.fhsu.edu/forsyth_lib. Next, click on "Online Catalog", on the left hand side under *Quick Links*.

Type in your topic in the "Find this" box. Type in just the key (most important) words, and leave out "the", "and", "an", etc.

Next, choose what type of search you want to do: keyword, title keyword, journal title, etc. This tells the computer where you want it to look for your search terms:

Keyword Search: Searches for your term in every area, including title, descriptions, publisher, author, etc. This search will yield many results, but many will be irrelevant because your term is just mentioned briefly, and is not necessarily a focus of the book.

Title Keyword: This finds only those items that have your search terms in the title. It is a good way to find really relevant items on your topic. You can also use this search if you are looking for a specific book but are unsure of the exact title.

Left Anchored Title: Use this if you know the exact title of an item, or the first few words.

Author Browse: Find all works (owned by Forsyth Library) by a particular author. Enter the name last name first, followed by the first name, or an initial, if you know it.

Journal Title Keyword: search for a full or partial journal, newspaper or magazine title. Click on the title to see the call number and what years/issues of this periodical the library owns.

Once you've found a title you like, note the **location, call number, and status** (if it is checked out or not).

Title: **The anatomy of hope: how people prevail in the face of illness.**

Location: General Collection: Top Floor **Call Number:** R726.5 G76 **Status:** Available

NOTE: These searches are explained in the "Tips for Simple Search" box underneath the gray & black search area.

Print Reference Sources

Located in the Reference Area on the Main Floor of the Library

- | | |
|--|---|
| 1. <i>CRC Handbook of Chemistry and Physics.</i>
QD 65 .H3 | 8. <i>Encyclopedia of Scientific Units, Weights, and Measures</i>
QC 94 .C295 |
| 2. <i>Dictionary of Physics.</i>
QC 5 .C427 | 9. <i>Encyclopedia of Spectroscopy and Spectrometry</i>
QC 450.3 .E53 |
| 3. <i>Oxford Dictionary of Physics</i>
QC 5 .D496 | 10. <i>Handbook of Superconductivity</i>
QC 611.924 .P66 |
| 4. <i>Dictionary of Physics</i>
QC 5 .D5 2004 | |
| 5. <i>Macmillan Encyclopedia of Physics</i>
QC 5 .M15 | Located at the Reserve Desk |
| 6. <i>Handbook of Physical Quantities</i>
QC 61 .H36 | 11. <i>Aldrich Library of FT-IR Spectra (second ed.)</i>
QC 457 .P87 |
| 7. <i>Macmillan Dictionary of Measurement</i> <i>QC82 .D37</i> | 12. <i>Aldrich Library of ¹³C and ¹H FT NMR Spectra (ed. 1)</i>
QC 462.85 .A44 |

Online Reference Sources

[CREDO Reference](#)

Search by keyword, or click on Find a Book, then on Science to view electronic encyclopedias, dictionaries, and more.

[Britannica Online](#)

The electronic version of the Encyclopedia Britannica

Electronic Books & Texts

[Through Forsyth Library](#) (general-multiple disciplines)

[National Academies Press](#)

[Physics](#)

[Astronomy](#)

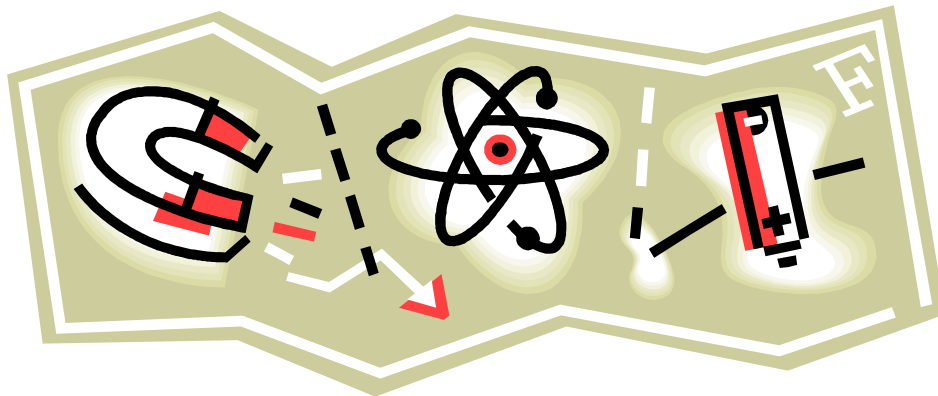
[Net Library](#) (must set up free account)

Websites

[Quick Reference sites](#): dictionaries, statistics, factbooks, etc.

[Physics & Astronomy Websites](#)

[Websites by Subject](#)



Citing Your Sources

Style Guides

Online: [Duke University's Citation Guide](#) (the basics)

Print: Style manuals can be found at the Reference Desk,
and in the following areas:

- **GC:** General Collection on the 2nd Floor. These can be checked out.
- **RES:** Reserve Desk on the 1st floor: **3 hour check-out.**
- **REF:** Reference Area on the 1st floor. For use in the library. No check-out.

If you are unsure about which style manual to use, consult your professor.

American Psychological Assoc. Publication Manual: BF76.7.P82 **GC, RES, REF**

APA Style Guide to Electronic Resources: [BF76.7 .P82 suppl 1 2007](#) **RES, REF**

[APA Format and Style Guide](#) by *Purdue Writing Lab*

Modern Language Association (MLA): [LB2369.G53](#) **GC, RES, REF**

[MLA Format and Style Guide](#) *Purdue Writing Lab*

Chicago Manual of Style: [Z253.U69](#) **GC, REF**

[Chicago Format & Style Guide](#) *Ohio State University*

Turabian Manual for Writers: [LB2369.T8](#) **GC, RES, REF**

[Turabian Format & Style Guide](#) *Ohio State University*

For additional writing assistance, visit or contact the

[FHSU Writing Center](#)

628-4106, Forsyth Library Rm. 20

HOURS

Monday - Thursday: 9:00 a.m. – 5:00 p.m.

Monday, Tuesday & Wednesday Evenings: 6:30–8:30 p.m.

Friday: 9:00 a.m.–12:30 p.m.